



*A Bibliography of  
The World Literature on*  
**BLOOD PRESSURE**  
**1920-1950**

*Edited by*  
**ERNEST K. KOLLER and JACOB KATZ**

Bureau of Applied Social Research and School of Public Health  
Columbia University

**Volume I**  
(Authors and Titles)

The Commonwealth of Massachusetts



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# The Commonwealth of Massachusetts

## THE RECESS COMMISSION ON HYPERTENSION

(Created by Chapter 32 Resolves of 1949 )

(Revived and Continued by Chapter 11 Resolves of 1950 )

(Revived and Continued by Chapter 41 Resolves of 1951 )

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*Chap* 81 RESOLVE PROVIDING FOR THE PRINTING AND SALE OF A REPORT OF THE SPECIAL COMMISSION ESTABLISHED TO MAKE AN INVESTIGATION AND STUDY RELATIVE TO HIGH BLOOD PRESSURE WITH A VIEW TO PROVIDING MEANS FOR THE CONTROL THEREOF SAID REPORT CONSISTING OF A BIBLIOGRAPHY AND INDEX OF MODERN LITERATURE ON HIGH BLOOD PRESSURE.

*Resolved* That the unpaid special commission established by chapter thirty two of the resolves of nineteen hundred and forty nine and revived and continued by resolves passed in the years nineteen hundred and fifty and nineteen hundred and fifty-one is hereby authorized to cause to be printed in two volumes a copy of a report to the general court as filed with the clerk of the house of representatives in accordance with the provisions of said resolves said report consisting of a bibliography and index of modern literature on hypertension Two thousand copies of each volume shall be printed as aforesaid Two hundred and fifty copies of each volume may be distributed by said commission to such persons and organizations as may be determined by the commission to have a special interest in the subject matter of said report The remaining copies shall be placed on sale by the state secretary at such price per copy not less than the cost of printing and binding as shall be fixed by him For the purposes of this resolve there may be expended such sums as may be appropriated therefor

*Approved November 16 1951*

# INTRODUCTION

This is the first of three reference volumes to the available world's literature on blood pressure. The volumes comprise the following:

Volume One is an alphabetic listing by senior author of approximately seventeen thousand titles on the subject of blood pressure published between the years 1920 and 1950. These include articles in professional journals, symposia reports, textbooks, monographs, etc.

Volume Two consists of two sections. The first is an alphabetized index to the co-authors whose contributions appear in the first volume. The second section is an index to the titles comprising Volume One. The first two volumes are an integral unit but have been published under separate cover for convenience.

Volume Three consists of approximately fifteen hundred abstracts of titles from Volume One. A considerable portion of these are concerned with the incidence, prevalence, trend, and distribution of hypertension according to age, race, sex, occupation, climate, geography, and those other factors customarily treated in conventional descriptive epidemiology.

Abstracts of a sample of the literature pertinent to many other facets of essential hypertension—the roles of nutritional, chemical, and endocrine agents; the renal system; the cardiovascular system; the nervous systems, etc.—in the etiology, pathogenesis, and treatment of essential hypertension are also included in this volume.

The contents of these volumes represent by products of various phases in a current investigation into the epidemiology\* of essential hypertension. The study is being conducted on a cooperative basis by the Division of Epidemiology of the School of

Public Health and the Bureau of Applied Social Research—both units of Columbia University and the Recess Commission on Hypertension of the Massachusetts State Legislature. The sponsorship and financing of the project have been provided by the General Court of the Commonwealth of Massachusetts (the State Legislature) through the Recess Commission on Hypertension.

The work at Columbia University represents one major aspect of the program of research which has been undertaken by the Recess Commission. Other investigations conducted by the Commission in keeping with its stated purpose—to foster studies in hypertension along the lines of its natural history, its clinical investigation and treatment, and its illumination by physio-pathologic research—include research on hypertension in children, the role of the kidneys in hypertension, the hereditary factors in hypertension, and the effect of medical and surgical treatment for the alleviation of hypertension.

The investigations into the natural history of essential hypertension have been organized according to an epidemiologic approach, which may be characterized by the following distinctive features†:

1. A compilation of existing data which define the nature, extent, and significance of a problem. This includes attempts to describe incidence, prevalence, trends, and distribution according to such characteristics as age, sex, race, socio-economic level, occupation, and the like. This is descriptive epidemiology.

2. A critical review and analysis of what is known about the natural history of the condition.

† 1) *An Epidemiologic Approach to the Study of High Blood Pressure*. Clark E. Gurney and Morsell John A. *American Journal of Public Health* 42: 542-548 May 1952.

2) *Epidemiology of Mental Disorder*. Milbank Memorial Fund. New York 1950.

\* Epidemiology is defined as a science concerned with the study of factors that influence the occurrence and distribution of disease, defect, and disability in aggregations of individuals.

study The concept of natural history as employed here is not restricted to pathogenesis It may originate in the environment outside of man before he becomes implicated Thus natural history comprises the sum processes of interaction between host agent and environmental factors which influence the origin development and termination of a given disorder This phase of the epidemiologic approach is devoted to a critical appraisal of the methods and results of studies which purport to show the effect of these forces on the behavior of the disorder This is analytical epidemiology

3 On the basis of critical evaluation and review of the gaps in current substantive and methodological knowledge the development of hypotheses upon which further research may be based

4 The testing of hypotheses and theories by the use of controlled experimentation in the laboratory and clinic as well as in the field This would be followed by large scale epidemiologic investigation among scientifically sampled groups in given communities This is field epidemiology

The comprehensiveness of this approach requires for its successful outcome the cooperative research efforts of specialists drawn from the medical physical and social sciences In the investigation of essential hypertension this has necessitated the participation of a group composed of epidemiologists industrial hygienists internists legislators pathologists physiologists psychiatrists public health officials sociologists, surgeons and teachers of preventive medicine

In order to attain the objectives of the first phase in our studies i.e. a collection and compilation on the character extent and significance of the problem a search was made for the available literature on blood pressure since 1920 This has resulted in a bibliography of approximately seventeen thousand contributions on blood pressure These titles were recorded on McBee Keysort Cards and were set up as a working file Each card was classified according to the content of title language of title and the date of publication

A convenient classification system was established on the basis of the epidemiologic concept of the inter relation of agent human host and environment in disease causation Subclassification of these three major categories and multiple cross classifications enabled us to readily locate given titles on any aspect of blood pressure The file has proved to be most useful for our purposes Its value to

other investigators soon became apparent and numerous recommendations prompted the Recess Commission to make the references more widely available by publication The duplication of the seventeen thousand card file for widespread use was found impractical The most desirable and feasible procedure has been the printing of the file in its present book form For a variety of reasons including the avoidance of repeated duplication of titles it has seemed preferable to provide an index to the titles themselves rather than to make use of the working classification adopted originally for the file Further explanation of the manner in which this has been done will be found in the Introduction to Volume Two

To complete the objectives of the first step in our approach to the problem abstracts of the titles concerned with the occurrence and distribution of hypertension have been prepared In addition to these articles concerned with those factors usually treated by descriptive epidemiology and with many additional factors have also been abstracted These are to be found in the third volume of the present set

In order to meet the requirements of the second and third phases of this epidemiologic approach a review and appraisal of what is known about the natural history of essential hypertension and a reconsideration of data advanced to explain the natural history of essential hypertension and the existing shortcomings and inadequacies therein a symposium was convened by the Recess Commission in February 1951 at Boston Massachusetts† At this time, thirty six experienced investigators of the problems of blood pressure examined all aspects of the problem defining existing areas of needed research and proposing concrete suggestions for the direction which future research should follow

Plans for completing the second phase of the investigation i.e. appraisal of methods and the third phase, i.e. the development of hypotheses are currently in preparation The use of controlled experimentation on the clinical laboratory and field level is expected to follow The fourth phase would comprise a full scale epidemiologic field study embracing those areas which prior research has indicated require further investigation

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† *A Symposium on Essential Hypertension An Epidemiologic Approach to the Elucidation of Its Natural History in Man* Commonwealth of Massachusetts Recess Commission on Hypertension Wright & Potter Printing Company Boston Massachusetts 1951

# THE BIBLIOGRAPHY

## Volume I

The bibliography has been compiled from four standard medical reference works. In addition unpublished files of the Army Medical Library in Washington D C have been consulted to provide even greater coverage than the published source books have provided. This work thus makes available under one cover a collection of titles from numerous sources many of which are not generally available or accessible.

A feature of this bibliography which represents an extension of the listings found under the Blood Pressure category in the standard references is the inclusion of an index to all the titles represented.

The present bibliography may be found to contain certain limitations. Some of these have been imposed by the nature of the source books which have been utilized. Others have been the result of dictates of expediency.

The medical source references which have been used in this compilation are the following:

- 1 Index Medicus
- 2 Quarterly Cumulative Index Medicus
- 3 Index Catalogue of the Army Medical Library
- 4 The Current List of the Army Medical Library

A brief comment on each of these is in order indicating its range of utility and the reasons for the use to which it was put.

The Index Catalogue and the files of the Army Medical Library which contain the most complete coverage of medical literature available do not index *all* the existing world's medical literature. There are numerous items which are not received in the United States. Of the literature received by the Army Medical Library not all is indexed and catalogued. The war period has resulted in the accumulation of a backlog of foreign journals which have not yet been processed.

The classification systems which are employed by the various source books differ to some extent with the result that perhaps not all of the items relating to blood pressure have been recorded under that

category. Considerable cross-checking has revealed that the number of titles which may have been omitted because of this is small.

1 *Index Medicus*. This was the oldest of the periodical indexes to the world's medical literature and was founded in 1879. In 1927 it was merged with the Quarterly Cumulative Index of the American Medical Association to form the Quarterly Cumulative Index Medicus which is the most easily used of all medical compilations.

The Index Medicus has been the source of titles from 1920 to 1926. Some problems of interpretation were presented by this reference although it is more complete in its coverage than is the Quarterly Cumulative Index.

2 *Quarterly Cumulative Index Medicus*. As noted above this is the result of the merger of the Index Medicus and the Quarterly Cumulative Index the new work first appearing in 1927. The majority of titles has been obtained from this index which is published semi-annually and covers the years 1927 to mid 1948.

Its format and organization made it the easiest of all the references to use. Although the Index Catalogue is more thorough for the period it covers difficulties in transcription have necessitated the use of the Quarterly Cumulative Index Medicus.

3 *The Index Catalogue of the Army Medical Library* (Surgeon General's Office). This is the most complete compendium of medical literature in the world. As the name indicates it is a catalogue to the published materials in the Army Medical Library the largest of its kind. Due to the many obstacles in the use of this journal recourse was made to the Quarterly Cumulative Index Medicus which was the best all round source of references.

The list of titles has been checked against the Index Catalogue files of the Army Medical Library in Washington D C. In this manner many additional titles were obtained.

4 *Current List of Medical Literature* of the Army Medical Library. This is a monthly listing of all current items acquired by the Army Medical Library. It has been used to bring the bibliography up-to-date through 1950.

## ARRANGEMENT OF VOLUME ONE

The entries in this volume are arranged in alphabetic order according to the author or senior author, where there are more than one. Each title is preceded by an identification number the corresponding numbers to which are found in the Author Index and Index Titles of Volume Two. An asterisk appearing with the identification number indicates that an abstract of that particular reference has been made and may be found in Volume Three.

In those instances where several titles appear under the name of one author, those of the most recent date will appear first the others will follow in descending chronological order.

Each listing in the bibliography contains with modifications, the following information: a) the identification number b) an asterisk indicating that an abstract of the article may be found in Volume Three, c) the author or authors d) the title of the article or book (in general titles in German French Spanish and other Romance Languages are given in the original others are usually translated), e) the name of the journal report etc. in which the item appears f) the volume and number if a journal or series g) the page numbers,

h) the month (day if given) of publication and i) the year of publication.

A typical citation for a given author is as follows:

3554 NAZUM F P, ELLIOT A B AND EVANS R D Clinical and pathological study of coronary sclerosis incidence in hypertension. *Am. Heart J.* 10:367-375 Feb 1935.

Slavic names especially those of Russian origin frequently appear with various spellings in the medical literature. Thus the name sokolov N I may be found listed as Sokolow, N I or Sokoloff, N I. Such names have not been edited nor have unusual variations been cross indexed, the spellings given in the source books are used here.

The journals which are represented in the present bibliography are substantially the same as those which are listed in the section LIST OF JOURNALS INDEXED in the Quarterly Cumulative Index Medicus. The abbreviations similarly are those used in the aforementioned source and are to be found in the same section.

As a rule bibliographic practice generally employed in the medical literature has been followed in the preparation of this bibliography.

## ACKNOWLEDGMENTS

The present volumes represent the contributions of many persons. To all of them the editors express their sincere appreciation. It is necessary to acknowledge in particular the role played by the following persons and institutions:

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Mr. Thomas Fleming, Chief Librarian, and Mr. Allan Salant, Mrs. Emilienne J. Lopat, and Miss Riccardo M. Marino of the Library of the College of Physicians and Surgeons, Columbia University, and Miss Estelle Brodman, Chief Reference Librarian, Army Medical Library, Washington, D.C., for their generous advice and assistance.

To the many members of the staffs of the School of Public Health and the Bureau of Applied Social Research, Columbia University, who have graciously endured the many exigencies created by the presence of the members of the hypertension research team.

The editors accept responsibility for any errors of omission or commission which may be present in these volumes. It is sincerely hoped that this Bibliography will serve as a useful addition to the current research aids to the investigation of the phenomenon of blood pressure.

ERNEST K. KOLLER  
JACOB KATZ

Columbia University  
Bureau of Applied Social Research  
School of Public Health



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\*1861 FLAXMAN M Cilo cal value of  
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\*1863 FLAXMAN M Lat end ala  
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1864 FLAXMAN M Zancory up hyp  
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1865 LAXMAN H Typ of hyp  
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\*1866 FLAXMAN H Disturbance of  
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\*1867 FLAXMAN H Cou of yp  
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RI 53 LANGE K. M. hnd. f. etion  
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RI 54 LANGE K. M. hnd. f. etion  
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- 11182 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11183 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11184 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11185 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11186 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11187 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11188 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11189 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11190 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11191 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11192 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11193 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11194 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11195 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11196 OPTKE D F & WIGGERS C I  
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- 11197 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11198 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11199 OPTKE D F & WIGGERS C I  
Bivly of entomol (up and) tom  
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- 11200 OPTKE D F & WIGGERS C I  
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- 14006 SPONTO M & CLANDON D V  
14007 SPOTO V A  
14008 SPRENGER W U  
14009 SPRINGER R H  
14010 SPYCHALA V U  
14011 SPYCHALA V  
14012 SQUIBB MEM  
14013 SQUER T L  
14014 SQUER T L  
14015 SRIENER, L M  
14016 SRIENER, L M  
17 SRI WES L M  
018 SRIENER, J M & MADESON V  
14019 SPRINTZ T P  
14020 SPRINTZ T P  
14021 SPRINTZ T P  
14022 SRIALSHCHITSKY A S & TECH  
14023 STANLEY A  
14024 STANE M  
14025 STANHEIN R  
14026 STANHEIN R & MULLER A
- 14027 STARNMLER M & PARADE G W  
14028 STAFFER, D  
14029 STAGE L C  
14030 STAJANO H  
14031 STAIANO C & PARILLLO R H  
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14034 STAMLER T FISHMAN A P KATZ  
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14036 STAMLER T FISHMAN A P KATZ  
14037 STANFORD A D  
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14039 STANOVICH L O H  
14040 STANTO P R  
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- 14951 ELLIOTT H.J. On or use of hyp. press. in normal kid. 14-10-50. 15033
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- 16130 WILSON P A & KEYS T E C  
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16131 WILSON M C 16 lesion between  
rhymic vertebrae in p  
and phonic contractions of  
muscle of neck of 16 and dog  
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26
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from world of 16  
muscle of 16  
Opusc. 49:545-72 M V 43
- 16133 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
one of 16  
16134 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
one of 16
- 16135 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
one of 16
- 16136 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
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- 16137 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
one of 16
- 16138 WILSON J R V one IV  
trumpet of M. prop. at 16  
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- 16139 WILSON J R V one IV  
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in vertebrae blood at 16  
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- 16140 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
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- 16141 WILSON J R V one IV  
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in vertebrae blood at 16  
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- 16142 WILSON J R V one IV  
trumpet of M. prop. at 16  
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- 16143 WILSON J R V one IV  
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- 16144 WILSON J R V one IV  
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- 16146 WILSON J R V one IV  
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- 16147 WILSON J R V one IV  
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- 16148 WILSON J R V one IV  
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- 16149 WILSON J R V one IV  
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- 16150 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
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- 16151 WILSON J R V one IV  
trumpet of M. prop. at 16  
in vertebrae blood at 16  
one of 16
- 16152 WILSON M C 2 and 3  
up 16  
16153 WILSON M C 2 and 3  
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16154 WILSON M C 2 and 3  
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16155 WILSON M C 2 and 3  
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16156 WILSON M C 2 and 3  
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16157 WILSON M C 2 and 3  
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